

What is claimed is :

SUB  
A-1  
1. ~~Authorising software, stored in a device or existing physically on a medium, for use on a computer, to protect other commercial computer software by discouraging a rightful or an authorised user thereof from enabling or allowing other person(s) to use said software desired to be protected or a duplication copy thereof ;~~

~~said computer conforming to or compatible with an existing standard so that any software conforming to or compatible with said standard can be used thereon and without modification thereof ;~~

~~said authorising software being for, when executed, 1) permitting use of said software desired to be protected on said computer ; 2) determining the existence of identity software in a memory means under control of said computer ;~~

~~said identity software being for use on a said standard computer to provide identity information of said rightful or authorised user ;~~

~~said identity information being for to be authenticated by a remote computing means in order for enabling operation(s) for which said rightful or authorised user has to be responsible, to be performed ; and the existence of said identity software in a memory means under control of said computer is being determined without a said operation being performed by said remote computer ;~~

~~wherein use of said software desired to be protected on said computer will not be permitted if said identity software is determined as being not existing in a memory means under control of said computer ; and said authorising software and said identity software being computer software conforming to or compatible with said existing standard .~~

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Sub C3  
2. Authorising software, stored in a device or existing physically on a medium, as claimed in claim 1, wherein further comprising software, when being executed, for authenticating said identity software ; and if the result of the authentication of said identity software is unfavourable, said identity software will further be determined as not existing in a memory means under control of said computer .

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3. Authorising software, stored in a device or existing physically on a medium, as claimed in claim 1, wherein further comprising authenticating software for , when being executed, authenticating the computer on which it runs as being a particular predetermined computer, and if the authentication result of the computer on which it runs is unfavourable, said authorising software will not permit use of said software desired to be protected and will permit use of said software desired to be protected if said authentication result of the computer is favourable and said identity software is determined as existing in a memory means under control of the computer on which said authorising software runs.

Sub C4  
4. Authorising software, stored in a device or existing physically on a medium, as claimed in claim 1, wherein said operation being operation related to making payment from an account of said rightful or authorised user.

5. Authorising software, stored in a device or existing physically on a medium, as claimed in claim 1, wherein said software desired to be protected comprises a plurality of protected programs; each of said protected programs having validity information in a first predetermined location therein for indicating a valid identity of its rightful user exists in a second predetermined location therein , and an encrypted identity of its rightful user therein; and each of said protected programs, when being executed, will fail to operate if said validity information therein being altered, or said identity therein and the decryption result of said encrypted identity therein being inconsistent.

C4  
con't

6. Authorising software, stored in a device or existing physically on a medium, as claimed in claim 5, wherein further comprising an encrypted identity of its rightful user ; and if one of said protected programs stored in said computer has a valid user identity which being not consistent with the decryption result of said encrypted identity in said authorising software, said authorising software will not permit use of said protected programs .

Sub  
A27  
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7. Protection software , stored in a device or existing physically on a medium and being computer software conforming to or compatible with an existing standard, for use on a computer, to protect purchased commercial computer software by discouraging a rightful or an authorised user thereof from enabling or allowing other person(s) to use said software desired to be protected or a duplication copy thereof ;

said computer conforming to or compatible with said existing standard so that any software conforming to or compatible with said standard can be used thereon and without modification thereof ;

said protection software comprising :

identity software for use on said computer to provide identity information of said rightful or authorised user ;

said identity information being for to be authenticated by a remote computing means in order for enabling operation(s) for which said rightful or authorised user has to be responsible, to be performed ;

authorising software for, when executed, permitting use of said software desired to be protected, on said computer ;

Wherein said identity software and said authorising software are contained in said protection software in such a manner that said authorising software is prevented from being copied therefrom individually.

Sub C6  
8. Protection software, stored in a device or existing physically on a medium, as claimed in claim 7, wherein said operation being operation related to making payment from an account of said rightful or authorised user.

9. Protection software, stored in a device or existing physically on a medium, as claimed in claim 7, wherein said authorising software includes said identity software.

Sub AB7  
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10. Authorising program, stored in a device or existing physically on a medium, for use on a computer, to protect other commercial computer software by discouraging a rightful or an authorised user thereof from enabling or allowing other person(s) to use said software desired to be protected or a duplication copy thereof;

said computer conforming to or compatible with an existing standard so that any software conforming to or compatible with said standard can be used thereon and without modification thereof;

said authorising program being for, when executed, permitting use of said software desired to be protected on said computer;

wherein information representative of an encryption algorithm for providing identity information of said rightful or authorised user, exists in said authorising program and being accessible by the user thereof or, when said authorising program being executed, capable of being used by said authorising program to perform the corresponding encryption function which being user-usable;

said identity information being for to be authenticated by a remote computing means in order for enabling operation(s) for which said rightful or authorised user has to be responsible, to be performed; and said authorising program being computer software conforming to or compatible with said existing standard.

Sub  
C9  
~~11. Authorising program, stored in a device or existing physically on a medium, as claimed in claim 10, wherein said operation being operation related to making payment from an account of said rightful or authorised user.~~

Sub  
P47  
~~12. Protection software, stored in a device or existing physically on a medium and being computer software conforming to or compatible with an existing standard, for use on a computer, to protect other commercial computer software by discouraging a rightful or an authorised user thereof from enabling or allowing other person(s) to use said software desired to be protected or a duplication copy thereof ;~~

~~said computer conforming to or compatible with said existing standard so that any software conforming to or compatible with said standard can be used thereon and without modification thereof ;~~

~~said protection software comprising :~~

~~identity software for, with protection against used by unauthorised user, providing identity information of said rightful or authorised user ;~~

~~said identity information being for to be authenticated by a remote computing means in order for enabling operation(s) for which said rightful or authorised user has to be responsible, to be performed ;~~

~~authorising software for, when executed, permitting use of said software desired to be protected on said computer ;~~

~~wherein use of said software desired to be protected will not be permitted if said protected identity software is not being caused to be usable by a predetermined password or non-machine generated password entered by user ; and said identity software is not being used to provide said identity information for to be authenticated by said remote computing means, in permitting use of said software desired to be protected .~~

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Sub C10  
~~13. Authorising program, stored in a device or existing physically on a medium, as claimed in claim 12, wherein said operation being operation related to making payment from an account of said rightful or authorised user.~~

Sub A5  
~~14. Authorising software, stored in a device or existing physically on a medium, for use on a computer, to protect other commercial computer software by discouraging a rightful or authorised user thereof from enabling or allowing other person(s) to use said software desired to be protected or a duplication copy thereof;~~

said computer conforming to or compatible with an existing standard so that any software conforming to or compatible with said standard can be used thereon and without modification thereof;

said authorising software being for, when executed, 1) permitting use of said software desired to be protected on said computer; 2) authenticating identity software existing in a memory means under control of said computer;

said identity software being for use on a said standard computer to provide identity information of said rightful or authorised user;

said identity information being for to be authenticated by a remote computing means in order for enabling operation(s) for which said rightful or authorised user has to be responsible, to be performed;

wherein use of said software desired to be protected will not be permitted if the result of said authentication of said identity software is not favourable; and said authorising software and said identity software being computer software conforming to or compatible with said existing standard.

Sub C12  
~~15. Authorising program, stored in a device or existing physically on a medium, as claimed in claim 14, wherein said operation being operation related to making payment from an account of said rightful or authorised user.~~

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ADD B1  
ADD L4  
ADD J1  
ADD M3